

## MATRIX of BSAs &amp; RELATED BSEs

CATEGORY 1, TYPE A - CIRCUIT SWITCHED LINE BSA	AM	BA	BS	NX	PB	SWB	Qwest
GENERIC NAME OF ONA SERVICE							
Answer Supervision With A Line Side Interface	BSE	BSE	BSE		BSE		BSE
Automatic Callback					BSE		
Call Detail Recording Reports	BSE	BSE	BSE	BSE			BSE
Called Directory Number Delivery via DID		BSE	BSE	BSE	BSE		BSE
Calling Directory Number Delivery - via ICLID		BSE			BSE		BSE
Carrier Selection On Reverse Charge		BSE	BSA	BSE	BSA		
Calling DN Delivery - via BCLID		BSE	BSE				BSE
Coin Phone With Post Dialing Tone Capability		BSA	BSA				BSA
Cut Off On Disconnect		BSA	BSA	BSA			
DID Trunk Queuing		BSE			BSE		
Faster Signaling On DID		BSE	BSE	BSE			BSA
Hot Line				BSE			
Make Busy Key	BSE	BSE	BSE	BSE	BSE		BSE
Message Desk (SMDI)	BSE	BSE	BSE	BSE	BSE		BSE
Message Waiting Indicator- Activation (Audible)		BSE	BSE	BSE	BSE		BSE
Multiline Hunt Group	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - C. O. Announcements	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - Individual Access To Each Port In Hunt Group	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - Overflow	BSE	BSE	BSE	BSE	BSE		BSE
Multiline Hunt Group - Uniform Call Distribution Line Hunting	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Multiline Hunt Group - UCD With Queuing	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Reverse Billing On Circuit Switched Access	BSE		BSE				
Route Diversity	BSE					BSE	

<b>CATEGORY 1, TYPE A - CIRCUIT SWITCHED LINE BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Selective Call Forwarding					BSE		
Selective Call Rejection					BSE		
Three Way Call Transfer	BSE	BSE	BSE	BSE	BSE		BSE
Uniform 7 Digit Access Number - Remote Call Forwarding		BSE					
Uniform 7 Digit Access Number via Overlay Networking			BSE				
Warm Line				BSE			

<b>CATEGORY 1, TYPE B - CIRCUIT SWITCHED TRUNK BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Alternate Routing	BSA *	BSE	BSE	BSE	BSA	BSE	BSE
Call Detail Recording Reports	BSE	BSE	BSE				BSE
Called Directory Number Delivery via DID		BSE	BSE	BSE	BSE		BSE
Called Directory Number Delivery via 900NXX	BSE			BSE		BSA	
Calling Billing Number Delivery - FG B Protocol		BSE	BSE	BSE			BSE
Calling Billing Number Delivery - FG D Protocol	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Carrier Selection On Reverse Charge	BSA **	BSE	BSA	BSE	BSA		BSA
Coin Phone With Post Dialing Tone Capability			BSA				
DID Trunk Queuing		BSE			BSE		BSE
Faster Signaling On DID			BSE	BSE			BSA
Flexible ANI Information Digits	BSE	BSE	BSE	BSE			BSE
Route Diversity	BSE					BSE	
Tandem Routing	BSA **	BSE	BSE	BSA	BSA		BSA

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\* Ameritech offers this as a BSA feature.

\*\* For Ameritech, this is a Circuit Switched Trunk BSA alternative.

<b>CATEGORY 2, TYPE A - X.25 PACKET SWITCHED BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Call Detail Recording Reports (Packet)	BSE	BSE		BSE		BSE	BSE
Call Redirection - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Closed User Groups - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Direct Call - Packet			BSE	BSE			
Fast Select Acceptance - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Fast Select Request - Packet			BSE	BSE	BSE	BSE	BSE
Hunt Groups - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Menu Access Translator- Gateway							BSE
Message Waiting Indicator - Packet Access						BSE	
Preselection for Data Services		BSE	BSE	BSE	BSE		
Reverse Charge Acceptance - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Route Diversity	BSE					BSE	

<b>CATEGORY 2, TYPE B - X.75 PACKET SWITCHED BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Call Detail Recording Reports (Packet)	BSE	BSE		BSE		BSE	BSE
Call Redirection - Packet				BSE	BSE	BSE	BSE
Closed User Groups - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Fast Select Acceptance - Packet	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Fast Select Request - Packet			BSE	BSE	BSE	BSE	BSE
Hunt Groups - Packet		BSE		BSE	BSE	BSE	
Menu Access Translator- Gateway							BSE
Message Waiting Indicator - Packet Access						BSE	
Preselection for Data Services		BSE	BSE	BSE	BSE		
Reverse Charge Acceptance - Packet		BSE	BSE	BSE	BSE	BSE	BSE
Route Diversity	BSE					BSE	

<b>CATEGORY 3, TYPE A - DEDICATED METALLIC BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
<b>GENERIC NAME OF ONA SERVICE</b>							
Bridging		BSE		BSE	BSE	BSE	BSE
Route Diversity		BSE		BSE		BSE	

<b>CATEGORY 3, TYPE B - DEDICATED TELEGRAPH BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Bridging		BSE		BSE	BSE		BSE
Route Diversity		BSE		BSE			

<b>CATEGORY 3, TYPE C - DEDICATED VOICE GRADE BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Bridging	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Conditioning	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Network Reconfiguration				BSE	BSE		
Route Diversity	BSE	BSE		BSE		BSE	



<b>CATEGORY 3, TYPE D - DEDICATED PROGRAM AUDIO BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Bridging	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Route Diversity	BSE	BSE				BSE	

<b>CATEGORY 3, TYPE E - DEDICATED VIDEO BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
<b>GENERIC NAME OF ONA SERVICE</b>							
Route Diversity	BSE	BSE				BSE	

<b>CATEGORY 3, TYPE F - DEDICATED DIGITAL (&lt; 64 kbps) BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Access To Operations Support Systems Information			BSE				
Automatic Protection Switching		BSE	BSE	BSE	BSE		BSE
Bridging	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Network Reconfiguration				BSE	BSE		
Route Diversity	BSE	BSE		BSE		BSE	
Secondary Channel Capability	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Statistical Multiplexer		BSE					

<b>CATEGORY 3, TYPE G - DEDICATED HIGH CAPACITY DIGITAL (1.544 Mbps) BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Access To Clear Channel Transmission	BSE	BSE	BSA	BSE	BSE	BSE	BSE
Automatic Protection Switching	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Extended Superframe Conditioning	BSE	BSA	BSA	BSA		BSE	BSA
Network Reconfiguration	BSE	BSE		BSE	BSE	BSE	BSE
Route Diversity	BSE	BSE		BSE		BSE	

<b>CATEGORY 3, TYPE H - DEDICATED HIGH CAPACITY DIGITAL (&gt; 1.544 Mbps) BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Automatic Protection Switching		BSE	BSE	BSE	BSE	BSE	
Network Reconfiguration			BSE	BSE	BSE		BSE
Route Diversity	BSE	BSE		BSE		BSE	

<b>CATEGORY 3, TYPE I - DEDICATED ALERT TRANSPORT BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Route Diversity		BSE		BSE			
Verify Integrity of Subscriber Lines				BSA	BSE		

<b>CATEGORY 3, TYPE J - DEDICATED DERIVED CHANNEL BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
<b>GENERIC NAME OF ONA SERVICE</b>							
Data Over Voice (DOV) Service		BSA		BSA			BSA
Route Diversity		BSE		BSE		BSE	

<b>CATEGORY 3, TYPE K - DEDICATED DIGITAL (64 Kbps) BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX*</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Route Diversity	BSE						

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\* NYNEX note: NYNEX offers 64 Kbps service associated with the Dedicated High Capacity Digital (1.544 Mbps) BSA.



<b>CATEGORY 4 - DEDICATED NETWORK ACCESS LINK BSA</b>	<b>AM</b>	<b>BA</b>	<b>BS</b>	<b>NX*</b>	<b>PB</b>	<b>SWB</b>	<b>Qwest</b>
GENERIC NAME OF ONA SERVICE							
Calling Directory Number Delivery - via BCLID		BSE	BSE		BSE		BSE
Make Busy Key	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Message Desk (SMDI)	BSE	BSE	BSE	BSE	BSE	BSE	BSE
Message Desk (SMDI) - Expanded	BSE					BSE	BSE
Message Waiting Indicator - Activation (Audible)	BSE	BSE	BSE	BSE	BSE		BSE
Message Waiting Indicator - Activation (Audible) - Expanded	BSE						BSE
Message Waiting Indicator - Activation (Visual)			BSE		BSE		BSE
Network Reconfiguration	BSE	BSE	BSE	BSE	BSE		BSE
Route Diversity	BSE	BSE				BSE	
Verify Integrity of Subscriber Lines	BSE				BSE		

\* NYNEX note: NYNEX offers dedicated channels for specific network information or network control information as part of the appropriate BSA or BSE that provides the specific capability.

# ATTACHMENT IV

## ONA CROSS REFERENCE GUIDE

BELL OPERATING COMPANIES

## **ONA Special Report #5 Update**

### **Appendix A & Appendix B**

MARCH 31, 2001

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## **1. Appendix A: Relationship Between ESP Requests for Network Capabilities and ONA Services**

The FCC, in its December 22, 1989 Memorandum, Opinion and Order, recognized the 118 requests for network capabilities included in BOC Special Report Number 1 as the nationally received requests. Not all of these requests are for particular services. For example, some are for attributes that a service should contain; some are for a service to operate in a particular manner. As a result, some ONA services offered meet a number of network capability requests, while some requests are met by a number of ONA services. There is not a one-for-one relationship between network capability requests and ONA services. In addition, some ONA services may be offered by some regional companies as both a BSE and a CNS, depending on the line that the service is applied to.

The following appendix shows the relationship between each of the requested network capabilities, other requested network capabilities and ONA services. The ONA services listed use the Uniform Names developed by the regional companies and contributed to the IILC Issue 006 ONA Services User Guide Task Group.

Following this Appendix A is a summary table (Appendix B) arranged to be similar to Appendix E of the FCC's December 22, 1988 Memorandum Opinion and Order.

Please note – recently, various BOCs have completed, or are in the process of completing, corporate mergers. For Appendix A and Appendix B of BOC ONA Special Report #5, the old company names will continue to be used (for example, Bell Atlantic and NYNEX are listed separately, rather than being combined under the Verizon name; Southwestern Bell and Pacific Bell and Ameritech are listed separately).

### **1. Call Forwarding Busy Line/Don't Answer**

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Busy Line Intraswitch
- Call Forwarding - Busy Line Interswitch
- Call Forwarding - Don't Answer Intraswitch
- Call Forwarding - Don't Answer Interswitch

### **2. Activation Of Call Forwarding Variable Without Call Completion**

This is a request for an attribute of service. It is being met by some regional companies by offering the following ONA service:

- Call Forwarding - Variable - Activation Without Courtesy Call

### **3. Call Forward Don't Answer Interoffice**

This request relates to request number 1. It is being met by offering the following ONA service:

- Call Forwarding - Don't Answer Interswitch

### **4. Multiple Calls Forwarded To DID Interoffice**

This is a request for a particular application of a service. It is being met by some regional companies by offering the following service:

- Call Forwarding - Multiple Simultaneous Calls Interswitch

### **5. Call Forwarding With Status Information To Answering Bureau**

This request is for a particular application of a service. It is being met by some regional companies by offering the following service:

- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

### **6. Activation of Call Forwarding Variable With Call Completion**

This request is for a service. It is being met by offering the following service:

- Call Forwarding - Variable

### **7. Call Forwarding With Call Screening.**

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Selective Call Forwarding

### **8. Call Forwarding With Call Waiting**

This is a request for two services to interact in a particular manner. It is met by some regional companies by offering the following ONA service:

- Call Forwarding Don't Answer After Call Waiting (CFDA After CW)



### **9. Call Forwarding With Called and Calling Number**

This is a request for a particular application of a service. It is related to request number 5. It is being met by some regional companies by offering the following ONA services:

- Calling Directory Number Delivery - via BCLID
- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

### **10. Call Forward Don't Answer With Variable Ring Counts**

This is a request for a service to operate in a particular manner. It is related to request number 1. It is being met by offering the following ONA services:

- Call Forwarding - Don't Answer Interswitch
- Call Forwarding - Don't Answer Intraswitch
- Customer Changeable Number of Rings

### **11. Customer Control of CFBL/CFDA**

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Busy Line or Don't Answer - Customer Control of Activation/Deactivation
- Call Forwarding - Busy Line or Don't Answer - Customer Control of Forward-To Number

### **12. Monitor & Barge In**

This is a request for a service that requires development.

### **13. SMDI**

This is a request for a particular interface. It is related to requests number 5 and 9. It is being met by some regional companies by offering the following ONA service:

- Message Desk (SMDI)
- Message Desk (SMDI) - Expanded

### **14. SMDI With Automatic Ringback**

This is a request for a service to operate in a particular manner. Based on the findings in IILC Issue #030 (Message Waiting Indication: Ringback After Busy Transfer), it is being met by some regional companies by offering the following combination of services:

- Distinctive Ringing - Terminating Screening (client needs to have a second telephone number)
- Call Forwarding - Variable (or Call Forwarding Busy Line/Don't Answer)

### **15. 3-Way Call Transfer**

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Three Way Call Transfer

### **16. Speed Calling**

This is a request for a service. It is being met by offering the following ONA service:

- Speed Calling